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Planirovaniye Khozyaystvennoy Deyatel'nosti Gosudarstvennoy Torgovoy Organizatsii (Torgfinplan Torga) (Planning of Economic Activities of the State Trading Organization, by) L. S. Genkina, B. I. Gogol', Ya A. Kistanov (i Dr.) Pod Red. M. M. Iifitsa Uchebnoye Posobiye Dlya Torgovykh Vuzov. Moskva, Gostorgizdat, 195?.
334 p. Tables.

SERZBRYAKOV, S.V., prof., doktor ekonom.nauk; GOGOL', B.I., dotsent; LIFITS, M.M., prof.; FEFILOV, A.I., dotsent; KISTANOV, Ya.A., dotsent; OENKINA, L.S., dotsent; VASIL'YEV, S.S., dotsent; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dotsent; SMOTRINA, N.A., dotsent; KULIKOV, A.G., dotsent; KUZIN, N.I., dotsent; PISKUNOV, V. red. ; .: MUKHIN, Yu., tekhn.red.

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GRIGOR'YAN, G.S.[Hryhor'ian, H.S.], dots.; KISTANOV, Ya.A., dots.; FEFILOV, A.I., dots.; GENKINA, L.S.[Henkina, L.S.], dots.; VASIL'YEV, S.S.[Vasil'iev, S.S.], dots.; SEREBRYAKOV, S.V., prof.; DNEPROVSKIY, S.P.[Dnieprovs'kyi, S.P.], prof.; PIROGOV, P.V.[Pyrohov, P.V.], dots.; GOGOL', B.I.[Hohol', BI.], dots.; SVOTRINA, N.A., dots.; KULIKOV, O.G.[Kulikov, O.H.], dots.; KUZIN, M.I., dots.; DEMIDYUK, V.F.[Demydiuk, V.F.], red.; SKVIRSKAYA, M.P.[Skvyrs'ka, M.P.], red.; LEVCHENKO, O.K., tekhn. red.; SERGEYEV, V.F.[Serhieiev, V.F.], tekhn. red.

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GRIGOR'YAN, G.S., prof.; KISTANOV Ya.A., prof.; PETILOV, A.I., dots.; GENKINA, L.S., dots.; VASIL'YEV, S.S., dots.; SEREBRYAKOV, S.V., prof.; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dots.; GOGOL', B.I., doktor ekon. nauk; SHOTRINA, N.A., dots.; KULIKOV, A.G., prof.; KUZIN, N.I., dots.[deceased]; AVETISYAN, Ye., red.; MUKHIN, Yu., tekhn. red.

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(Russia--Commerce)

AUTHORS: Bashkirov, A. N., Corresponding Member, AS USSR, Kistanova, A. I.

S/020/60/131/04/030/073
B011/B017

TITLE: Oxidation of Naphthene Hydrocarbons in the Liquid Phase in the Presence of Boric Acid

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 131, Nr 4, pp 827-829 (USSR)

TEXT: Under the conditions mentioned in the title, the oxidation of naphthenes takes place widely under the formation of alcohols. For the purpose of studying this oxidation, the authors synthesized (according to Grignard) a series of naphthene hydrocarbons with side chains of varying lengths in the molecule: n-amylcyclohexane, n-heptylcyclohexane, and n-nonylcyclohexane. Their constants are shown in table 1. These compounds were oxidized at normal pressure by means of a nitrogen-oxygen mixture (O_2-content 3.5%). The specific consumption of the oxidizing gas was 1000 l/kg.h, the temperature 165°, the duration of the experiment 4 h, the added amount of boric acid 5%. The apparatus used was described in reference 1. The oxidized substance was saponified with hot water. Table 2 gives the characteristics of the oxidized substances. They show that the reaction products are mainly alcohols. After having saponified the boric acid esters, the not reacted hydrocarbons were separated chromatographically on silica gel of type ASK from the oxygen-containing compounds. Petroleum ether (boiling out at 60°) and methanol were used as displacing liquids. The esters were saponified by means

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of caustic potash. The alcohols obtained were separated from ketones by the formation of boric acid esters. Bifunctional compounds which are formed in small quantities during oxidation were separated chromatographically (this method devised by the authors will be published shortly). Here benzene and methanol were used as displacing liquids. Pure alcohols were distilled in the vacuum (Table 3). Their primary and secondary alcohol content was determined (Table 4). Furthermore, the authors wanted to find out whether the oxidation described takes place under the destruction of the molecule. For this purpose, they dehydrated the alcohols which they obtained from the oxidized product of n-nonylcyclohexane over anhydrous aluminum oxide at 270° in the vacuum. The unsaturated hydrocarbons formed had an iodine number of 120 (for $C_{15}H_{30}$ it should be 122). They were hydrogenated in n-heptane medium over a Raney nickel catalyst at a hydrogen pressure of 30 atm and at 180°. n-Heptane was distilled off in the vacuum. Table 5 shows the comparative characteristics of the hydrocarbon obtained from alcohols and of the n-nonylcyclohexane used. These two substances are identical. Thus, the authors proved that alcohols are formed by oxidation of naphthenes with a side chain of normal structure in the presence of boric acid. In this case, no destruction of the molecule of the oxidized substance takes place. The alcohols formed are mainly secondary, and have the same number of carbon atoms in the molecule as the hydrocarbon used.

Oxidation of Naphthene Hydrocarbons in the Liquid Phase in the Presence of Boric Acid

S/020/60/131/04/030/073
B011/B017

There are 5 tables and 4 references, 3 of which are Soviet.

ASSOCIATION: Institut neftekhimicheskogo sinteza Akademii nauk SSSR (Institute of Petroleum-chemical Synthesis of the Academy of Sciences, USSR). Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology imeni M. V. Lomonosov)

SUBMITTED: October 20, 1959

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BASHKIROV, A.N.; KISTANOVA, A.I.

Composition of alcohols obtained in liquid phase oxidation of naphthene hydrocarbons. Dokl.AN SSSR 148 no.4:829-831 F '63. (MIRA 16:4)

1. Institut neftekhimicheskogo sinteza AN SSSR i Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.Lomonosova. 2. Chlen-korrespondent AN SSSR (for Bashkirov).
(Alcohols) (Naphthenes) (Oxidation)

L'VOVA, M.; KISTANOVA, L.

For you, automobilists. Za rul. 18 no.5:22 My '60.
(MIRA 14:3)
1. Starshiy inspektor Glavkurorttorga Ministerstva torgovli RSFSR (for L'vova).
(Tourist camps, hostels, etc.)

GUBANOV, A.; KISTAUBAYEV, K.; GROMADCHENKO, A. (stantsiya Shaktnaya); VOLOSOVICH, A., brigadir; MASLOV, T.; TEL'TSOVA, A. (g.Ivanovo); SVISTUNOV, V.; KOVALEV, V.; KISELOV, V. (g.Priozersk, Leningradskoy oblasti); ANISIMOV, P.; KUTAYTSEV, Ye.

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(Trade unions)

KISTAUBAYEVA, R. K.

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SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

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Comparative characteristics of the clinical aspects of diphtheria in vaccinated and in unvaccinated children. Zdrav. Kazakh. 21 no.10: 41-45 '61. (MIRA 15:2)

1. Iz kafedry pediatrii (zav. - dotsent L.G.Loyvikov) Karagandinskogo meditsinskogo instituta.
(DIPHTHERIA--PREVENTIVE INOCULATION)

KISTELKSKI, Leszek, mgr inz.

Liquid nitrogen in refrigeration transportation. Przegl techn 85 no.26:9 28 Je'64.

KISTENEVA, G.S.

Changes in the basal metabolism of children with Botkin's disease undergoing diet therapy. Vop.pit. 24 no.3:54-56 My-Je '65. (MIRA 18:12)

1. Otdel detskogo pitaniya (zav. - kand.med.nauk Yu.K.Polteva) Instituta pitaniya AMN SSSR, Moskva. Submitted September 17, 1964.

KISTELSKA-NIELUBOWICZOWA, H.

Pathogenesis of migraine. Polski tygod. lek. 8 no.42:1440-1443: contd. 19 Oct 1953. (CIML 25:4)

1. Of the Neurological Clinic (Head--Prof. A. Opalski, M.D.) of Warsaw Medical Academy.

Warszawa. *Patogeneza migreny. Pathogenesis of migraine POLSK. TYG. LEK. 1953, 8/43 (1401-1405), (1440-1443), (1470-1473), (1511-1514)

A review of the literature and detailed description of a new clinical type, called by the author 'hemiplegic migraine'. During attacks of the ordinary or ophthalmic migraine there appeared a spastic hemiplegia (3 cases). There are 3 characteristics: (1) long duration of paralysis (several weeks or months), (2) intensity of paralysis and (3) familial incidence. One autopsy revealed underdevelopment of the left cerebral hemisphere in the individual with right hemiparesis after the attacks of maigraine. References 51.

Ziemnowicz - Wrocław

SO: Excerpta Medica; Section VIII Vol. 7 No. 11.

KISTELSKA, H.

Pathogenesis of migraine. Polski tygod. lek. 8 no.44: 1511-1514 consl. 2 Nov 1953. (CIML 25:5)

1. Of the Neurological Clinic (Head--Prof. Adam Opalski, M.D.) of Warsaw Medical Academy.

KISTELSKA, NIELUBOWICZOWA, HELENA

POLAND/Virology. Viruses of Man and Animals. E-3

Abs Jour: Ref. Zh.-Biol., No 9, 1957, 35457

Author : Kistelska-Nielubowiczowa, Helena
Inst :
Title : A Disease Caused by Skin Abrasions (Cat Scratch Disease)

Orig Pub: Polski tygodn. lekar., 1955, 10, No 10, 314-317

Abstract: No abstract.

Card : 1/1 -17-

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Clinical forms of cerebellar atrophies. Neur. & c. polska 7 no.2: 161-175 Mar-Apr 57.

1. Z Kliniki Chorob Nerwowych A. M. w Warszawie Kierownik: Prof. dr. A. Opalski. Adres: Warszawa, ul. Widok 18 m. 6.
(CEREBELLUM, DISEASES, atrophy (Pol))

KISTELSKA-NIKLUBOWICZOWA, Helena

Prof. Adam Opalski as a human being, physician and educator.
Neurol., neurochir. psychiat. Pol. 15 no.1:1-5 Ja-F'65.

KISTINSKI, I.

[illegible] processing [illegible] vegetables. [illegible]
28 p. 1964.

KISTELSKI, Leszek, mgr., ins.

Yesterday, today, and tomorrow of the Lenin Metallurgical Works.
Przegl techn. 79 no.3:81-83 F '58.

(Poland--Metallurgy)

KISTELSKI, Leszek, mgr.ins.

Development problems of Polish steel making in the perspective.
Przegl techn 79 no.5:161-165 Mr '58.

KISTIAKI, Leszek,mgr.inz.

Shop councils and technical cadres in the light of the Second National Conference of Shop Councils and the 4th Plenum of the Central Committee of the Polish United Workers Party. Przegl techn 81 no.6:12-14 F '60.

KISTELSKI, Leszek, mgr., inż.

Chief Technical Organization, Union of Socialist Youth, Central Council of Trade Unions. Przegl techn 81 no.10:2-3 '60.

1. Zastepca redaktora naczelnego tygodnika "Przeglad techniczny"

KISTELSKI, Leszek, mgr.inz.

Refrigeration as a topic of the Congress of the Association of Engineers and Technicians of the Food Industry. Przegl techn 91 no.21:26-27 My '60.

KISTELSKI, Leszek, mgr.,inz.; TOPOLNICKI, Tadeusz, mgr.

The 16/29th Convention of the Association of Polish Mechnaical Engineers and Technicians. Przegl techn 81 no.25:17-19 Je '60.

KISTELSKI, Leszek, mgr.inz.

Yesterday, today, and tomorrow of the Lenin Metallurgical Works.Pt.II. Przegl techn 79 no.4:123-126 F '61.

P/005/61/000/016/002/003
A076/A126

AUTHOR: Kistelski, Leszek, Master of Engineering

TITLE: The Cieszyn refrigerating equipment manufacturing plant

PERIODICAL: Przegląd Techniczny, no. 16, 1961, 5-6

TEXT: The article describes the production history of the Cieszyńska Wytwórnia Urządzeń Chłodniczych (Cieszyn Refrigerating Equipment Manufacturing Plant), its products and organization plans. During the SIMP Scientific and Technical Conference held on November 25-26, 1960, some participants presented strong arguments as to why the production should be incorporated in the Zjednoczenie Przemysłu Lotniczego MPC (Cooperative of Aviation Industry MPC). During this conference demands were raised to incorporate the Cieszyn Refrigerating Equipment Manufacturing Plant, the only producer of automatic refrigerating equipment in Poland. However, this demand was rejected by Minister of Heavy Industry, Engineer Zygmunt Ostrowski. The Cieszyn plant produces about 80 types of various refrigerating control devices: TS-1, 2, and 3 box thermostat; TK chamber thermostat - thermo, refrigerating and pressure; expanding TZR and automatic AZR cut-off valves as well as other small parts, e.g. bolts, screws, etc. The designing

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The Cieszyn refrigerating equipment ...

section of the plant headed by Engineer Zbigniew Pagieła, consists of 10 designers and technicians who design all the equipment produced by this plant. This equipment is tested in the plant laboratory, headed by Master of Engineering Jerzy Wilczek, which has 13 persons, among them Engineer J. Supik. The plant employs 520 people, of whom a great number take part in correspondence courses organized by the Technikum Chłodnicze (Refrigerating Technicum) in Gdynia. Others attend evening courses at the Technikum Elektryczne (Elektrical Technicum) in Cieszyn. In addition, a number of courses are held at the plant. Main buyers of equipment produced by this plant are the MPC, domestic sales industry, home refrigerating plants in Mielec, Grudziądz, Wrocław, Bydgoszcz, the Mostostal in Wrocław and the Śląskie Zakłady Przemysłowe (Silesia Industrial Plant) in Tarnowskie Góry (Tarnow Mountain). The plant began export of refrigerating equipment in 1959. The value of goods exported reached 2 million Złoty in 1959, 5 million Złoty in 1960 and it is estimated that goods valued at 16 million Złoty will be exported during 1961. The products are exported to Yugoslavia, Egypt, Brazil, and negotiations are carried out with the USSR. During 1958, the plant produced goods valued at about 12 million Złoty; in 1960 - 36 million Złoty; it is planned to produce in 1961 goods valued at about 42 million Złoty; in 1963 - 60 million Złoty; in 1964 - 160 million Złoty and in 1965 about 256 million Złoty.

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P/035/61/000/052/001/001
D269/D303

AUTHOR: Kistelski, Leszek, Master of Engineering

TITLE: Development of the construction of refrigeration plant in the USSR (2)

PERIODICAL: Przeglad techniczny, no. 52, 1961, 7

TEXT: This paper describes the expansion of the Russian refrigeration industry. The achievements envisaged in the next Seven Year Plan in large industrial refrigeration plants used mainly for the chemical industry are based on the progress so far reached in this field. The increased production of compressor and ammonia type units is noted and a popular description given of some merits of refrigeration plants and installations prepared for, or already in production. There are 3 figures and 2 Soviet-bloc references.

Card 1/1

KISTELSKI, Leszek, mgr., inż.

Ventilation and pneumatic cold storage rooms; a scientific-technical conference in Krakow. Przegl techn no.10:8 '62.

1. Zastępca redaktora naczelnego tygodnika "Przegląd Techniczny".

KISTELSKI, Wenzek, mgr. inz.

Certain problems of the technological staff in the light of experiences of the U.S.S.R. Przegl techn no.29:4. Jl '62.

KISTELSKI, Leszek, mgr. ina.

Design and construction of cooling equipment and machinery in the U.S.S.R. Przegl techn No.30:9. Jl '62.

KISTELSKI, Leszek, mgr. inz.

The problem of the Gdansk Shipyard again under discussion.
Przegl techn 79 no.9:399-404 My '58.

KISTELSKI, Leszek, mgr.inz.

A new element in the precongressional activities. Przegl techn no.52:9 28 D '60.

KISTELSKI, Leszek, mgr ins.; PISARSKI, Andrzej, mgr ins.

Transportable cooling constructions. Przegl techn no.43:7,8 28 O '62.

KISTELSKI, Leszek, mgr ins.

Ten years of activities of the training center of the Association of Polish Mechanical Engineers and Technicians, 1951-1961. Przegl techn no.2:13 10 Ja '62.

KISTELSKI, Leszek, mgr. inz.

Everyday problems in the Gdansk Shipyard. Przegl techn 79 no.1:5-10 Ja '58.

KISTELSKI, Leszek, mgr inż.

Tasks of Warsaw industry in 1962; as seen at the 2d Plenum of the Warsaw Voivodeship Committee of the Polish United Workers Party. Przegl techn no.1:3, 11 3 Ja '62.

KISTELSKI, Leszek, mgr ins.

Construction and utilisation of fan and air-cooled cold stores; a scientific and technical conference in Krakow. Przegl techn no.10:8 11 Mr '62.

KISTELSKI, Leszek, mgr. ins.

An impressive contribution of Soviet science to the task to conquer the cosmos. Przegl techn no.15:1,3 Ap '62.

KISTELSKI, Leszek, mgr ins.

Planning and the industrial enterprise. Przegl techn no.34:1,2 26 Ag '62.

KISTELSKI, Leszek, mgr ins.

Needs and organizational shortcomings of the cooling industry in Poland. Przegl techn no.46:5,6 18 N '62.

KISTELSKI, Leszek, mgr inz.; PISARSKI, Andrzej, mgr inz.

Technological progress in the cooling industry; thermoelectric cooling.
Przegl techn 84 no.4:11-12 27 Ja '63.

KISTELSKI, Leszek, mgr ins.

Refrigerating engineering in the U.S.S.R., 1959-1962. Przegl techn [84] no.9:9-10 3 Mr '63.

KISTRISKI, Leszek, mgr inz.

Some remarks on the cooling engineering shown at the 1963 International Poznan Fair. Przegl techn 84 no.42:9,10 20 O '63.

KISTELSKI, Leszek, mgr ins.

Technical basis of inland commerce on its successive stages of development. Przegl techn 84 no.43:1,3 27 O '63.

KISTELSKI, Leszek, mgr. inz.

Cooling terminology. Przegl tech 84 no.26:7,[illegible] 30 Je '63.

KISTELSKI , Leszek, mgr ins.

Problems of acclimatization in the U.S.S.R. Przegl techn 85 no.4:7,8 26 Ja '64.

KISTELSKI, Leszek, mgr. ins.

For fast and inexpensive building of cooling installations.
Przegl techn 85 no.7&7,8 16 F'64.

KISTELSKI, Leszek, mgr inz.

For proper development trends in refrigerating engineering during the coming five-year plan. Przegl techn 85 no. 22: 4-5 31 My '64.

KISTELSKI, Leszek, mgr inz.

Krakow refrigeration terminology. Przegl techn 85 no. 30: 6 26 Jl '64.

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All-Union Convention on Refrigeration in [redacted]. Trudy
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KISTELSKI, [illegible], mgr inż.

Conclusions and directives of the All-Union Refrigeration Convention in Moscow. Przegl techn 85 no.33:8 17 D '64.

KIJEWSKI, Leszek, mgr inz.

More on refrigeration terminology. Przegl techn 86 no.9:12 28 F '65.

KISTELSKI, Leszek, mgr inż.

Refrigeration engineering during the last ten years; interview with [Dr.] St. Lindberg, Vice Minister, Chairman of the Collective for Refrigeration Engineering. Przegl techn 86 no. 10:1,4 7 Mr '65.

KISTELSKI, Leszek, mgr inz.

Our own elaborations or foreign licenses? Przegl tekst 66 no.18:1-2 2 My '65.

KISTELSKI,

KISTELSKI, Leszek, mgr inz.; PISARSKI, Andrzej, mgr inz.

Following the technological progress in the cooling industry; cooling by means of liquid nitrogen. Przegl techn no.51:7,8 23 D '62.

CHARNOVSKIY, Yan Vatslav [Czarnowski, Jan Waclaw], magistr inzh., glav. red.; KISTEL'SKIY, Leshek [Kistelski, Leszek], magistr inzh., zam. glav. red.; TOPOL'NITSKIY, Tadeush [Topolnicki, Tadeusz], magistr inzh., zam. glav. red.

[Special issue devoted to Polish technology and industrial production] Spetsial'nyi vypusk, posviashchennyi pol'skoi tekhnike i promyshlennomu proizvodstvu. Warsaw, Izd-vo tekhn. zhurnalov Glav. tekhn. Organizatsii, 1959. 132, 140 p.
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KISTEN', G.Ye.[Kysten', H.IE.], inzh.

Improving the electric circuit of the VAR-6 mercury arc rectifier. Mekh.sil'.hosp. 10 no.12:23 D '59.
(MIRA 13:3)

(Electric current rectifiers)

KISTEN', O.Ya. [Kysten', H.Ya.], inzh.-elektrik

Economize electric power in agriculture. Mekh.sil'.hosp. 11 no.1:7-9 Ja '60. (MIRA 13:4)
(Electricity in agriculture)

MARTYNENKO, Ivan Ivanovich; DOROSH, I.Y.; KISTEN', G.Ya. [Kysten', H.IA.]; KOLOMIYETS', I.F.[Kolomiiets', I.F.]; LEVITSKAYA, G.P.[Levyts'ka, H.P.], red.; GULENKO, O.I. [Hulenko, O.I.], tekhn. red.

[Use of electric power on the "Shliakh do komunizmu" Collective Farm] Vykorystannia elektroenergii v kolhospi "Shliakh do komunizmu." Kyiv, Derzhsil'hospvydav URSR, 1962. 58 p. (MIRA 16:5)
(Electricity in agriculture)

KISTEN', G.Ye., kand. tekhn. nauk

Automatic control of transformers. Mekh. i elek. sots. sel'khoz. 21 no.3:43-45 '63. (MIRA 16:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Electric transformers) (Automatic control)

KISTENEV, A.

Increasing deposits in the village. Fin. SSSR 18 no.4:56-57 Ap '57.
(MLRA 10:6)

1. Zaveduyushchiy tsentral'noy sberegatel'noy kassoy Novo-Aleksandrovskogo rayona.
(Novo-Aleksandrovskaya District--Savings banks)

GRISHIN, V.G.; KISTENEV, E.P.; MU TSZYUN' [Mu Chiin]

Scattering of 4 Gev/c π^--mesons on electrons. IAd. fiz. 2 no.5:886-891 N '65. (MIRA 18:12)

1. Ob"yedinennyy institut yadernykh issledovaniy.

ACC NR: AP6023639 SOURCE CODE: UR/0386/66/004/001/0036/0039

AUTHOR: Bem, Ya.; Grishin, V. G.; Kistenev, E. P.

ORG: Joint Institute of Nuclear Research (Ob"yedinennyy institut yadernykh issledovaniy)

TITLE: Production of electron-positron pairs by high-energy gamma quanta

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 1, 1966, 36-39

TOPIC TAGS: electron positron pair, pair production, differential cross section, photoconductivity, pion proton interaction, gamma interaction, propane bubble chamber

ABSTRACT: Since there are at present no quantitative data on the differential cross section for the photoproduction of e^+e^- pairs at gamma energies higher than 500 Mev, the authors investigated the production of such pairs by γ quata of energy 10 - 1000 Mev with the aid of the 23-liter propane bubble chamber of LVE OIYaI. The quanta were produced by π^-p collisions with momenta 4 and 7 Gev/c. A total of 3645 e^+e^- pairs were selected for the analysis. The procedure for measuring the electron and positron energies in the propane chamber, with allowance for the radiation and ionization corrections, is described in another paper (OIYaI Preprint R-2636, 1966). The obtained experimental data are in good agreement, within ± 15%, with the Bethe-Heitler theory (Proc. Roy. Soc. London, A146, 83, 1934) for gamma energies 10 - 5000 Mev. With increasing γ-quantum energy, the distribution changes from a flat-topped curve to one

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ACC NR: AP6023639

with a definite dip in the region where v = 0.5 (v - ratio of the positron and γ-quantum energies). The distributions with respect to v are symmetrical about v = 0.5 for all photon energies within ~5%. The authors thank A. A. Kuznetsov, V. B. Lyubimov, V. L. Lyuboshitz, M. I. Podgoretskiy, and Z. Trka for useful discussions. Orig. art. has: 1 figure, 1 formula, and 2 tables.

SUB CODE: 20/ SUBM DATE: 19Apr66/ ORIG REF: 002/ OTH REF: 010

Card 2/2

C4

10

Synthesis of 3,5-dihydroxytoluene (orcinol). M. S. Kiseleva and M. S. Rozhdestvenskii (Chem. Reagent Inst., Moscow). *Zhur. Prikład. Khim.* (J. Applied Chem.) 22, 1103-12(1949).—Freshly distd. *o*-$MeC_6H_4NH_2$ (400 g.) is treated below 100° with 485 g. H_2SO_4 (d. 1.84), the mixt. heated 2 hrs. at 180-90°, 1.5 hrs. at 190-220°, and 2 hrs. at 220-30°, cooled to room temp., 2020 g. 20% oleum added, the mixt. kept 1 hr. at 140-50° and 0.5 hr. at 180-70°, treated with 2 kg. ice, the crude acid filtered off, combined with the Na salt ppd. by adding 600 g. NaCl to the mother liquor, boiled with charcoal in 1.5 l. H_2O, filtered, and 1.5 l. 25% NaCl added, pptg. 1180-1200 g. 94% pure *mono-Na salt of 2-aminotoluene-3,5-disulfonic acid* (I). This (240 g.) in 1.6 l. H_2O and 130 ml. concd. HCl treated with 61.5 g. $NaNO_2$ in 100 ml. H_2O at 0-6°, let stand 0.5 hr., and 160 g. NaCl added, gave 255-90 g. *diazo compound*, which, boiled with 2 l. KOH and 15 g. $CuSO_4$ 4-4.5 hrs. yielded 75-85 g. *mono-Na toluene-3,5-disulfonate*, while the filtrate after evapn. of the KOH, treatment of the residue with H_2O and NaOH, filtration, and evapn. gave 115-20 g. *di-Na salt*. Addn. of the diazo compd. (from 0.8 mole NH_2 deriv.) to 900 g. 50% HCO_2H and 15 g. Cu filings with stirring 1.5-2 hrs. at room temp. gave 85-6% *di-Na toluene-3,5-disulfonate* after concn. and neutralization with NaOH. Addn. of this (200 g.) (or 186 g. mono-Na salt) to 450 g. molten NaOH and 150 g. KOH at 250-65°, stirring 1-1.5 hrs. at 290-305°, quenching, acidifying with HCl, filtration, concn., filtration of the NaCl, neutralization to alky. to litmus, extn. with C_6H_6 to remove impurities and, finally, extn. with BuOH or iso-AmOH, and evapn. of the ext. gave 33-7 g. *orcinol*, hu. p. 108-70°, m. 110-10.5° (from C_6H_6). Heating 70 g. *p*-ClC_6H_4Me and 200 g. concd. H_2SO_4 5 hrs. at 120-40° gave 70-3% *Na 4-chlorotoluene-2-sulfonate*, which was converted to the K salt by K_2CO_3; the K salt fused 35-40 min. at 290-300° with NaOH gave a poor yield of impure orcinol, m. 103-5°. G. M. Kosolapoff

KISTENOVA, M. S.

"Investigation in the Field of Azomethine Dyes Derived From Oxirdol," Sub 4 Jun 51, Moscow Inst of Fine Chemical Technology imeni M. V. Lomonosov.

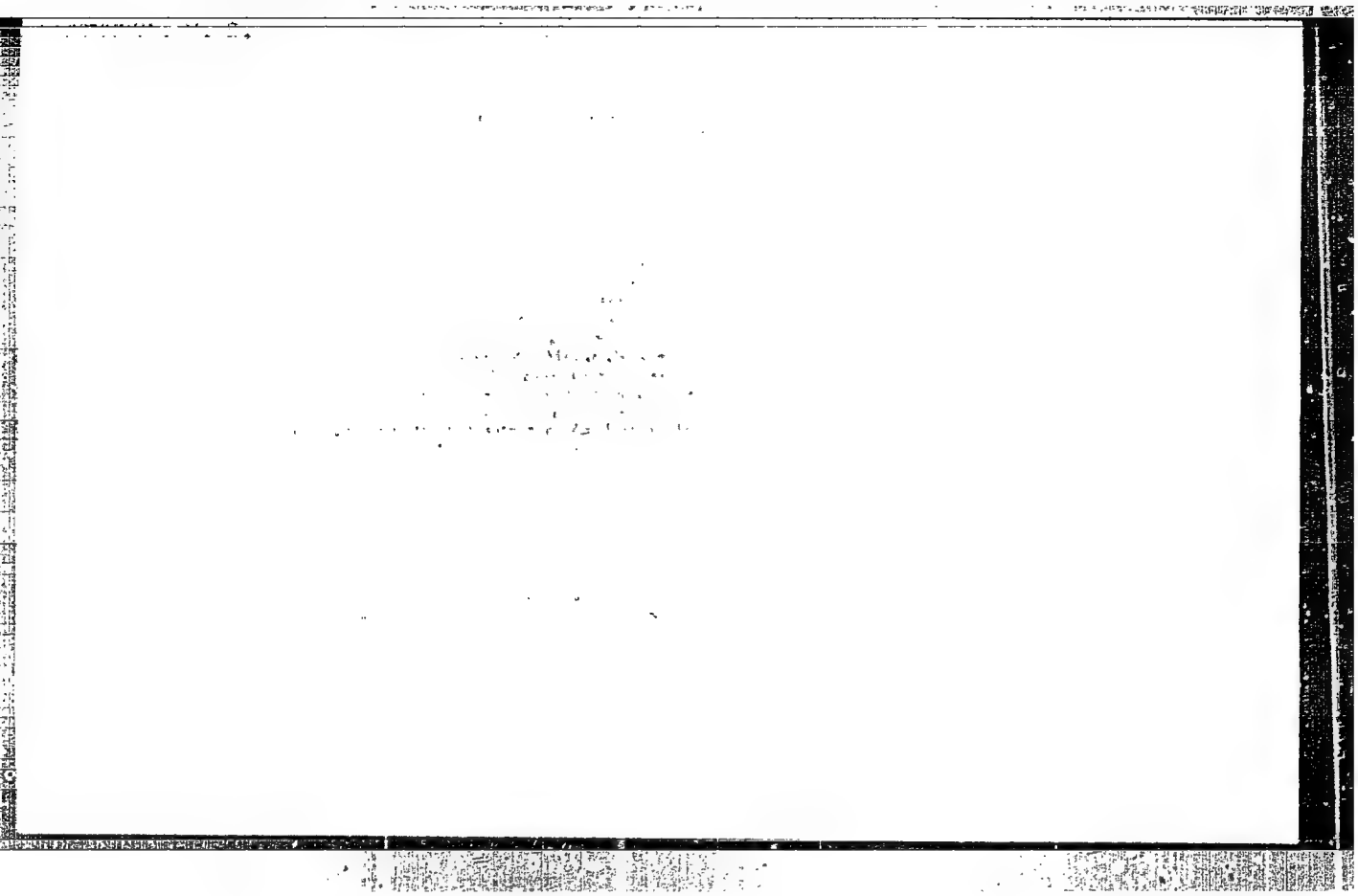
Dissertations presented for science and engineering degrees in Moscow during 1951.

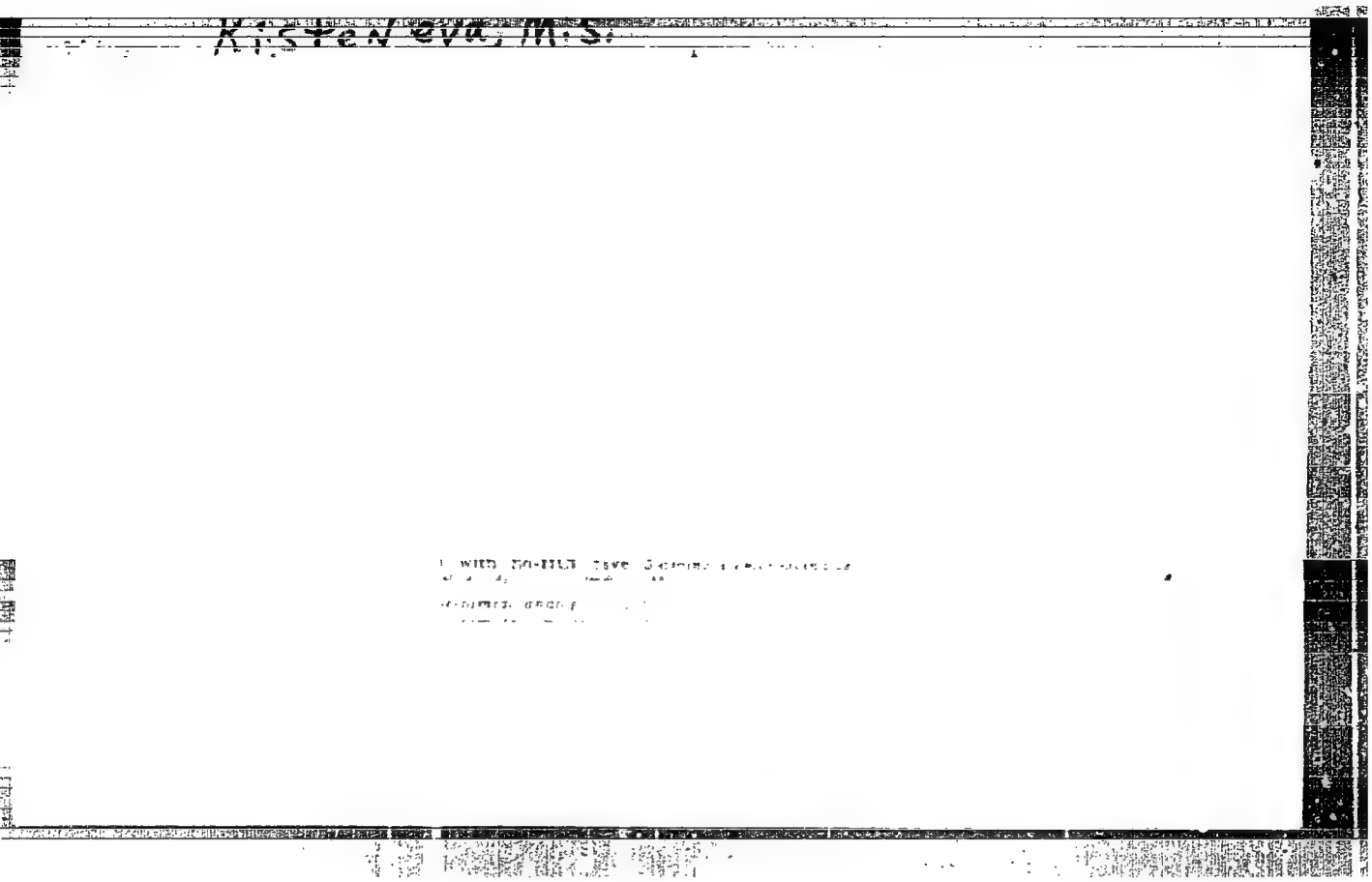
SO: Sum. No. 480, 9 May 55

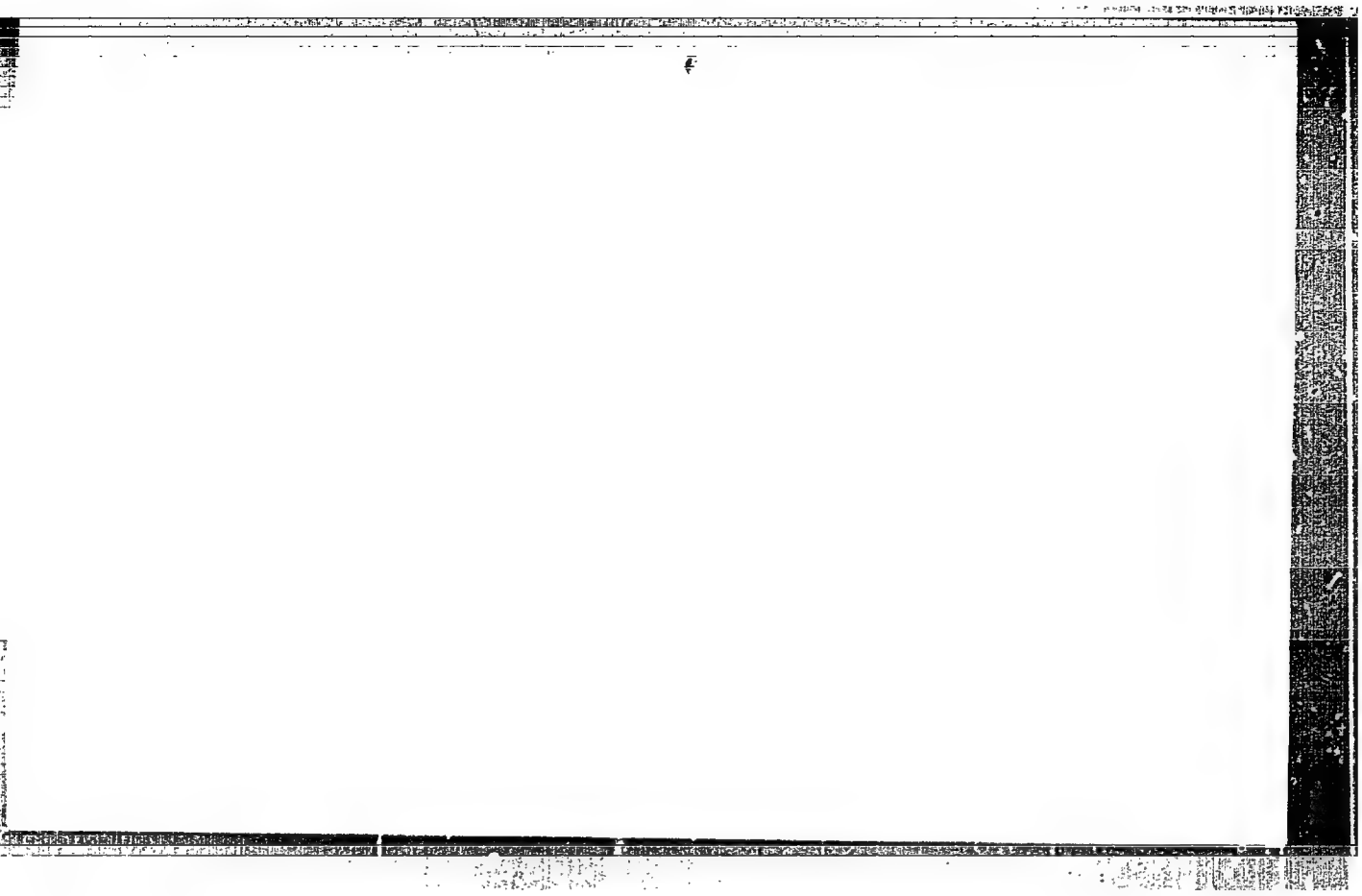
KISTENEVA, M.S.

Research in the field of azomethine dyes derived from oxindole derivatives. Part 2. Zhur.ob.khim. 26 no.7:2019-2025 Jl '56. (MLRA 9:10)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii.
(Schiff bases) (Oxindole)







APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722910013-6"

KISTENEVA, M.S.; SYRKIN, Ya.K.

Alkylation kinetics of 2-acetylmethylene-3-ethylbenzothiazoline (study of active seven-membered complexes). Dokl. AN SSSR 146 no.1:100-101 S '62. (MIRA 15:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova. 2. Chlen-korrespondent AN SSSR (for Syrkin).
(Benzothiazoline) (Alkylation)

KISTENEVA, M. (Moscow)

Color of azomethine dyes, derivatives of oxindole. Zhur. fiz. khim. 35 no.2:401-403 F '61. (MIRA 16:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.B. Lomonosova.

(Oxindole—Spectra)

KISTER, A.K.

Appendicitis

Symptoms of the left psoas in chronic appendicitis, Khirurgiia, No. 12, 1951.

Monthly List of Russian Accessions, Library of Congress, March 1952, UNCLASSIFIED

KISTER, A.K.

Gurova E.G.

"Paronychia and its treatment." Reviewed by A.K. Kister. Khirurgiia No. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August 1952, UNCLASSIFIED

KISTER, A.K., zasluzhennyy vrach RSFSR (Rzhev, Kalininskoy obl., ul. Lopatysheva, d.2)

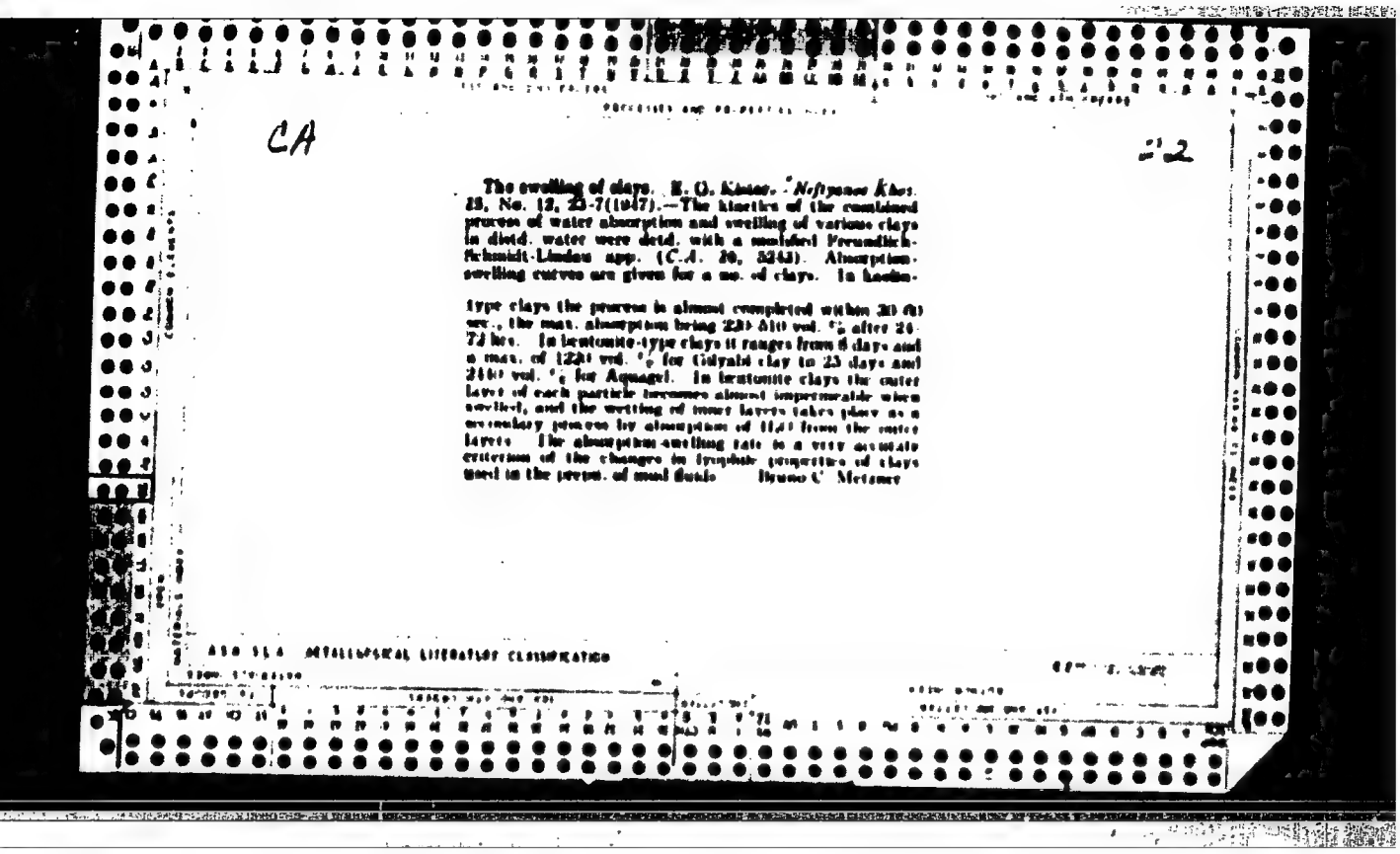
Latent fractures of the metacarpus. Vest.khir. 78 no.4:87 Ap '57. (MLRA 10:9)

1. Iz Rzhevskoy ob"yedinennoy bol'nitsy Kalininskoy zhel.dor. (nach. bol'nitsy - R.R.Zakaryan)

(METACARPUS, fractures, latent (Rus))

KISTER, E.G.; LERNER, R.S.; ROGOZIN, G.V.

Investigating the lubricating properties of circulating fluids.
Trudy VNIIBT no.8:140-153 '63. (MIRA 17:9)



CA

2-2

The swelling of clays. E. O. Kinzer. *Neftyanoe Khoz.* 25, No. 12, 23-7(1947).—The kinetics of the combined process of water absorption and swelling of various clays in distd. water were detd. with a modified Peryandich-Schmidt-Lindau app. (*C.A.* 30, 5243). Absorption-swelling curves are given for a no. of clays. In kaolin-type clays the process is almost completed within 30 (?) sec., the max. absorption being 230-310 vol. % after 24-72 hrs. In bentonite-type clays it ranges from 6 days and a max. of 1220 vol. % for Gidyalé clay to 23 days and 2100 vol. % for Aqnagel. In bentonite clays the outer layer of each particle becomes almost impermeable when swelled, and the wetting of inner layers takes place as a secondary process by absorption of H$_2$O from the outer layers. The absorption-swelling rate is a very accurate criterion of the changes in hydrate properties of clays used in the petrol. of mud fluids. Bruno C. Metzner

ASTIA SLA METALLURGICAL LITERATURE CLASSIFICATION

CA 2

Rate of deformation and mechanical properties of structures in clay suspensions. [illegible] *Doklady Akad. Nauk S.S.S.R.* 60, 813 (1949).—In investigations in the app. of Veiler-Rebinder (*C.A.* 40, [illegible]), stress-strain diagrams of clay suspensions show an initial elastic portion of rapidly ascending stress *P*, followed by a linear fall of *P* corresponding to destruction of structure, and ending in the horizontal viscous-flow branch. This latter portion is the most variable, depending on the conditions of application of the stress, the age, and the nature of the system. The strength of the structure, expressed by the limiting static shearing stress θ, also varies within very wide limits depending on the nature of the clay; the strength of montmorillonite structures is about 10–100 times as great as that of kaolinite structures. It increases with a power of the concn. of the suspension, e.g. with its 3rd power in the case of Turkmen bentonite. The strength of this clay, in 12.2% suspension, on standing 1 month, increased by a factor of 6–7, with θ attaining 8450 dynes/sq. cm. Destruction of the structure of clays is generally of the brittle type; plastic destruction is proper only to weak structures. Increased rate of deformation causes only a slight increase of the modulus of elasticity. The effect of the rate on θ is much more pronounced. At any concn., θ first increases linearly with the rate, then becomes independent of it. This invariance apparently is due to the rate of relaxation being much slower than the rate of deformation. In some very dense suspensions, θ increases again at very high rates. With a sensitive dynamometer, the viscous-flow branch shows characteristic pulsations, particularly marked at low rates of deformation. The max. rate at which the pulsations are still noticeable was higher in more concd. and riper suspensions. N. Thon

1951

Chem A

Clay preparations for drilling. A. F. Zhigach, K. G. [illegible], and D. R. Zhitnik. Doklady Akad. Nauk S.S.S.R. 72, [illegible] (1950). Air-dried briquets were made from mixts. of montmorillonite clay, caustic soda, and alk. [illegible]humates. The briquets were used alone or as admixts. to increase colloidal characteristics of local clays. The briquets are dispersed well within 30–60 min. in a clay mixer. Use of briquets reduced clay consumption to 30–35 tons per well and increased speed of drilling. In drilling sulfate and carbonate rocks with alk. clay briquets, there are formed natural limestone-gypsum-clay fluids with good structural-mech. characteristics but with a somewhat high water yield which can be reduced by addn. of stabilizers. H. Z. K.

1907

KISTER, E.G.; ZLOTNIK, D.Ye.

Measurements of the static pressure of displacement of drilling muds. Neft.khoz. 33 no.4:16-19 Ap '55. (MLRA 8:7)
(Oil well drilling fluids)

KISTER, E.G.

AUTHOR: Kister, E.G. 93-57-7-5/22

TITLE: Drilling Fluids with a Salt-saturated Sulfite Waste Liquor Base (O glinistykh rastvorakh na osnove sul'fit-spirtovoy bardy s sol'yu)

PERIODICAL: Neftyanoye khozyaystvo, 1957, 35 Nr 7, pp 18-22 (USSR)

ABSTRACT: On the basis of laboratory data Soviet researchers [Refs. 1-10] recommend using salt-saturated sulfite waste liquor base (SSB s sol'yu) drilling fluids for drilling under complex geological conditions. From drilling data obtained for firm formations, G.N. Khangil'din [Refs. 2,4], recommends this type of fluid to prevent well cave-ins. N.P. Chertkov and G.N. Khangil'din [Ref. 3] recommended this fluid for drilling well 5 at Dangar, Kazakhstan, where there was a problem of frequent delays and seizure of equipment but no well cave-ins. According to the

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Kazakhstan Petroleum Industry Association, use of this fluid did not produce positive results. Use of these fluids in Azerbaydzhan, in well 25 at Adzhiveli [Refs. 6,10], and well 80 at Pirsagat [Ref. 11], and by the Ukrainian Petroleum Industry Association (Ukrneft') in well 12 at Shebelinka [Ref. 9], met with partial success. A.F. Gayntsev and M.I. Lipkes [Refs. 13,14] who investigated the effect of this fluid in well 12 at Abramovka, Stalingradskaya Oblast', concluded that this type of fluid only delays cave-ins but does not prevent them. Data on this well as compiled by the Central Scientific Research Laboratory of the Stalingrad Trust for Oil and Gas Prospecting (TsNIL tresta Stalingradneftegazrazvedka) is presented in a table. Complications due to the use of this fluid were encountered at Lyal'-Mikar of the Termez Petroleum Industry Association (Termezneft') in 1953 and at the Malinovskaya pool (Malinovskaya ploshchad') of the Kuybyshev Petroleum Industry Association (Kuybyshevneft') in 1954. The author criticizes scientists for

Drilling Fluids with a Salt-saturated (Cont.) 93-57-7-5/22

recommending these fluids and also warns against the use of salt-saturated silicate fluids and cellulose glycol ether additions (GETs) to water. Saturated salt sulfite waste liquor base drilling fluids have been rejected by all those who have tried them and obtained negative results. The author concludes that the possibilities of using these fluids for deep-well drilling under complex geological conditions are not great. There are 14 Soviet references and one table.

AVAILABLE: Library of Congress

Card 3/3 1. Drilling-Techniques

KISTER, E.G., kand.tekhn.nauk; ZLOTNIK, D.Ye., kand.khim.nauk

Production of humic reagents for drilling muds. Trudy VNIIBT no.1:157-170 '58. (MIRA 11:12)
(Clay)

KISTER, M.G., kand.tekhn.nauk; GUBAREVA, T.P., inzh.; BABUKOVA, Ye.G., inzh.

Studying clay emulsions and using them as drilling muds. Trudy VNIIBT no.1:171-183 '58. (MIRA 11:12)
(Emulsions)

[illegible], ZHIGACH, K. F., [illegible], P. A., [illegible], T. V., [illegible], I. [illegible], LUKHIN, I. K., PINKHASOVICH, I. Z., [illegible], V. [illegible], (USSR II)

"Physico-Chemical and Technological Investigation of Mud Fluids Used for Drilling Wells."

Report submitted at the Fifth World Petroleum Congress, 30 May - 5 June 1959, New York.

KISTER, M.O.; ZHVAHETSKIY, Ye.F.

Efficient method for producing coal alkali reagent. Neft. khoz. 37 no.2:33-37 F '59. (MIRA 12:4)
(Chemical tests and reagents)

KISTER, M.G.

Stability of palygorskite to salt. Koll. zhur. 22 no. 6:680-688 N-D '60. (MIRA 13:12)

1 Vsesoyuznyy nauchno-issledovatel'skiy institut burovoy tekhniki Moskva.

(Palygorskite)

KISTER, E.G.

Heat resistance of clay muds and ways of improving it. Neft. khoz. 39 no.11:18-25 N '61. (MIRA 14:12)
(Oil well drilling fluids)

KISTER, E.O.; LIPKES, M.I.

Calcium chloride drilling fluids. Neft. khoz. 40 no.5:17-20 My '62. (MIRA 15:9)
(Oil well drilling fluids)

KISTER, E.G.

Certain problems in the chemical treatment of clay muds. Trudy VNIIBT no.[illegible] 1961. (MIRA 17:9)